

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A method of transmit power adjustment in a multitone communication system, comprising:

adjusting transmit power by changing for a power spectral density $P(k)$ expressed in terms of $\text{dBm}[\text{Hz}]$ where k indexes subchannels of a multitone system, for each subchannel k changing $P(k)$ the power spectral density to the minimum of the power spectral density and $P_{\text{max}} - \text{PCB}$ where P_{max} is the maximum of the power spectral density $\text{REFPSD}(k) = \min(\text{NOMPSD}(k), \text{NOMPSD} - \text{PCB})$ where $\text{REFPSD}(k)$ is the transmitted PSD at tone k , $\text{NOMPSD}(k)$ is the maximum transmit PSD allowed at each tone k , NOMPSD is the maximum value of $\text{NOMPSD}(k)$ over all k and PCB is a power cutback level in terms of dB.

.2. (Currently Amended) The method of claim 1, wherein:

said PCB is selected from the range 0 dB to 40 dB.

3. (Previously Presented) The method of claim 1, wherein:

said multitone system is an asymmetrical digital subscriber line system;
and

said PCB is selected as the larger of a power cutback selected by a central office transceiver and a power cutback selected by a customer transceiver.

4 (Currently Amended) A system including at least one processor, said processor configured to perform for a power spectral density $P(k)$ expressed in terms of dBm/Hz where k indexes subchannels of a multitone system, for each subchannel k :

changing $P(k)$ to the minimum of $P(k)$ and $P_{\max} - \text{PCB}$ where P_{\max} is the maximum of the $P(k)$ and PCB is a power cutback level in terms of dBadjusting transmit power by changing a power spectral density for each subchannel k the power spectral density to the minimum of the power spectral density and a maximum of the power spectral density $\text{REFPSD}(k) = \min(\text{NOMPSD}(k), \text{NOMPSD} - \text{PCB})$ where $\text{REFPSD}(k)$ is the transmitted PSD at tone k , $\text{NOMPSD}(k)$ is the maximum transmit PSD allowed at each tone k , NOMPSD is the maximum value of $\text{NOMPSD}(k)$ over all k and PCB is a power cutback level.

5 (Currently Amended) A program stored in a tangible medium, said program with computer readable medium storing instructions to configuredconfigure a processor to perform for a power spectral density $P(k)$ expressed in terms of dBm/Hz where k indexes subchannels of a multitone system, for each subchannel k :

changing $P(k)$ to the minimum of $P(k)$ and $P_{\max} - \text{PCB}$ where P_{\max} is the maximum of the $P(k)$ and PCB is a power cutback level in terms of dBadjusting transmit power by changing a power spectral density for each subchannel k the power spectral density to the minimum of the power spectral density and a

maximum of the power spectral density $REFPSD(k) =$
 $\min(NOMPSD(k), NOMPSD - PCB)$ where $REFPSD(k)$ is the
transmitted PSD at tone k , $NOMPSD(k)$ is the maximum transmit
PSD allowed at each tone k , $NOMPSD$ is the maximum value of
 $NOMPSD(k)$ over all k and PCB is a power cutback level.